ELSEVIER

Hearing Research 91 (1996) 213–214

HEARING RESEARCH

Author Index

Altschuler, R.A., see Sato, K. (91) 7

Bittel, J., see Ferber-Viart, C. (91) 202
Braun, A., see Moore, J.K. (91) 208

Calford, M.B., see McAnally, K.I. (91) 110
Collet, L., see Ferber-Viart, C. (91) 202
Cotanche, D.A., Messana, E.P. and Ofsie, M.S.
Migration of hyaline cells into the chick basilar papilla during severe noise damage (91) 148
Curtis, L.M., see Ma, Y.L. (91) 79

Díaz, M.E., Varela-Ramírez, A. and Serrano, E.E.
Quantity, bundle types, and distribution of hair cells in the sacculus of *Xenopus laevis* during development (91) 33
Duclaux, R., see Ferber-Viart, C. (91) 202

Ebert, U. and Ostwald, J.
GABA alters the discharge pattern of chopper neurons in the rat ventral cochlear nucleus (91) 160

Fechter, L.D. and Liu, Y.
Elevation of intracellular calcium levels in spiral ganglion cells by trimethyltin (91) 101
Felder, E. and Schrott-Fischer, A.
Quantitative evaluation of myelinated nerve fibres and hair cells in cochleae of humans with age-related high-tone hearing loss (91) 19
Ferber-Viart, C., Savourey, G., Garcia, C., Duclaux, R., Bittel, J. and Collet, L.
Influence of hyperthermia on cochlear micromechanical properties in humans (91) 202
Forge, A., see Souter, M. (91) 43

Gallo, L., see Taschenberger, G. (91) 87
Garcia, C., see Ferber-Viart, C. (91) 202
Gerhardt, K.J., see Ma, Y.L. (91) 79

Henderson, C.G., see Slepecky, N.B. (91) 136
Hisashi, K., Nakagawa, T., Yasuda, T., Kimitsuki, T., Komune, S. and Komiyama, S.
Voltage-dependent Ca^{2+} channels in the spiral ganglion cells of guinea pig cochlea (91) 196
Hubbard, A.E., see Xue, S. (91) 93

Kawase, T. and Takasaka, T.
The effects of contralateral noise on masked compound action potential in humans (91) 1
Kimitsuki, T., see Hisashi, K. (91) 196
Komiyama, S., see Hisashi, K. (91) 196
Komune, S., see Hisashi, K. (91) 196
Kuriyama, H., see Sato, K. (91) 7

Liu, Y., see Fechter, L.D. (91) 101

Ma, Y.L., Gerhardt, K.J., Curtis, L.M., Rybak, L.P., Whitworth, C. and Rarey, K.E.
Combined effects of adrenalectomy and noise exposure on compound action potentials, endocochlear potentials and endolymphatic potassium concentrations (91) 79
Manley, G.A., see Taschenberger, G. (91) 87
McAnally, K.I. and Calford, M.B.
Phase effects in forward masking of the compound action potential: a comparison of responses to stimulus and distortion frequencies (91) 110
Messana, E.P., see Cotanche, D.A. (91) 148
Moore, J.K., Perazzo, L.M. and Braun, A.
Time course of axonal myelination in the human brainstem auditory pathway (91) 208
Mountain, D.C., see Xue, S. (91) 93

Nakagawa, T., see Hisashi, K. (91) 196
Nevill, G., see Souter, M. (91) 43
Nozza, R.J.
Estimating the contribution of non-sensory factors to infant–adult differences in behavioral thresholds (91) 72

Ofsie, M.S., see Cotanche, D.A. (91) 148
Ostwald, J., see Ebert, U. (91) 160

Pack, A.K. and Slepecky, N.B.
Cytoskeletal and calcium-binding proteins in the mammalian organ of Corti: cell type-specific proteins displaying longitudinal and radial gradients (91) 119
Perazzo, L.M., see Moore, J.K. (91) 208
Popper, A.N., see Song, J. (91) 63

Rarey, K.E., see Ma, Y.L. (91) 79
Rybak, L.P., see Ma, Y.L. (91) 79

Saha, S., see Slepecky, N.B. (91) 136
Sato, K., Kuriyama, H. and Altschuler, R.A.
Expression of glycine receptor subunits in the cochlear nucleus and superior olivary complex using non-radioactive in-situ hybridization (91) 7
Savourey, G., see Ferber-Viart, C. (91) 202
Schrott-Fischer, A., see Felder, E. (91) 19
Serrano, E.E., see Díaz, M.E. (91) 33
Siefer, W., see Vater, M. (91) 178
Slepecky, N.B., Henderson, C.G. and Saha, S.
Post-translational modifications of tubulin suggest that dynamic microtubules are present in sensory cells and stable microtubules are present in supporting cells of the mammalian cochlea (91) 136
Slepecky, N.B., see Pack, A.K. (91) 119

Song, J., Yan, H.Y. and Popper, A.N.
Damage and recovery of hair cells in fish canal (but not superficial) neuromasts after gentamicin exposure (91) 63
Souter, M., Nevill, G. and Forge, A.
Postnatal development of membrane specialisations of gerbil outer hair cells (91) 43
Souter, M.
Suppression of stimulus frequency otoacoustic emissions by contralateral noise (91) 167

Takasaka, T., see Kawase, T. (91) 1
Taschenberger, G., Gallo, L. and Manley, G.A.
Filtering of distortion-product otoacoustic emissions in the inner ear of birds and lizards (91) 87

Varela-Ramírez, A., see Díaz, M.E. (91) 33
Vater, M. and Siefer, W.
The cochlea of *Tadarida brasiliensis*: specialized functional organization in a generalized bat (91) 178

Whitworth, C., see Ma, Y.L. (91) 79

Xue, S., Mountain, D.C. and Hubbard, A.E.
Acoustic enhancement of electrically evoked otoacoustic emissions reflects basilar membrane tuning: a model (91) 93

Yan, H.Y., see Song, J. (91) 63
Yasuda, T., see Hisashi, K. (91) 196

ELSEVIER

Hearing Research 91 (1996) 215–218

HEARING RESEARCH

Subject Index

Actin
Inner ear; Cochlea; Longitudinal gradient; Tubulin; Calcium-binding protein (Pack, A.K. (91) 119)

Noise damage; Hyaline cell; Regeneration; Hair cell; Cochlea; Confocal microscopy (Cotanche, D.A. (91) 148)

Adrenalectomy
Endocochlear potential; Potassium; Compound action potential; Noise exposure (Ma, Y.L. (91) 79)

Ageing
Presbycusis; Cochlea; Neuronal degeneration; Block surface; Micro-dissection (Felder, E. (91) 19)

γ-Aminobutyric acid
Cochlear nucleus; Inhibition; Iontophoresis; Temporal discharge pattern; Rat (Ebert, U. (91) 160)

Amphibian
Hair cell; Inner ear; Stereocilia bundle; Ultrastructure; *Xenopus laevis* (Díaz, M.E. (91) 33)

Auditory filter
Otoacoustic emission; Tectorial membrane; Bird; Lizard (Taschenberger, G. (91) 87)

Auditory nerve
Auditory non-linearity; Distortion product; Phase; Masking; Compound action potential (McAnally, K.I. (91) 110)

Auditory non-linearity
Auditory nerve; Distortion product; Phase; Masking; Compound action potential (McAnally, K.I. (91) 110)

Auditory pathways
Axons; Cochlear nerve; Myelin sheath; Oligodendroglia (Moore, J.K. (91) 208)

Axons
Cochlear nerve; Auditory pathways; Myelin sheath; Oligodendroglia (Moore, J.K. (91) 208)

Bird
Otoacoustic emission; Tectorial membrane; Auditory filter; Lizard (Taschenberger, G. (91) 87)

Block surface
Presbycusis; Ageing; Cochlea; Neuronal degeneration; Micro-dissection (Felder, E. (91) 19)

Body temperature
Otoacoustic emission, click evoked; Cochlear micromechanical activity (Ferber-Viart, C. (91) 202)

Cable equation
Cochlea; Otoacoustic emission; Model; Hearing (Xue, S. (91) 93)

Calcium antagonist
Spiral ganglion cell; Guinea pig; Patch-clamp technique; Calcium channel (Hisashi, K. (91) 196)

Calcium-binding protein
Inner ear; Cochlea; Longitudinal gradient; Actin; Tubulin (Pack, A.K. (91) 119)

Calcium channel
Ototoxicity; Trimethyltin; Intracellular calcium; Excitotoxicity; Spiral ganglion cell (Fechter, L.D. (91) 101)

Spiral ganglion cell; Guinea pig; Patch-clamp technique; Calcium antagonist (Hisashi, K. (91) 196)

Canal neuromast
Hair cell; Lateral line; Superficial neuromast; Fish; Gentamicin (Song, J. (91) 63)

Cochlea
Presbycusis; Ageing; Neuronal degeneration; Block surface; Micro-dissection (Felder, E. (91) 19)

Otoacoustic emission; Model; Hearing; Cable equation (Xue, S. (91) 93)

Inner ear; Longitudinal gradient; Actin; Tubulin; Calcium-binding protein (Pack, A.K. (91) 119)

Inner ear; Tubulin; Tubulin, tyrosinated; Tubulin, acetylated; Tubulin, detyrosinated; Tubulin, polyglutamated (Slepecky, N.B. (91) 136)

Noise damage; Hyaline cell; Regeneration; Actin; Hair cell; Confocal microscopy (Cotanche, D.A. (91) 148)

Cochlear
Contra sound; Masking; Efferent; Human (Kawase, T. (91) 1)

Cochlear frequency map
Hair cell; Echolocation (Vater, M. (91) 178)

Cochlear micromechanical activity
Body temperature; Otoacoustic emission, click evoked (Ferber-Viart, C. (91) 202)

Cochlear nerve
Axons; Auditory pathways; Myelin sheath; Oligodendroglia (Moore, J.K. (91) 208)

Cochlear nucleus
Glycine receptor; Superior olivary complex; Hybridization, in situ; Rat (Sato, K. (91) 7)

γ-Aminobutyric acid; Inhibition; Iontophoresis; Temporal discharge pattern; Rat (Ebert, U. (91) 160)

Compound action potential
Endocochlear potential; Potassium; Noise exposure; Adrenalectomy (Ma, Y.L. (91) 79)

Auditory nerve; Auditory non-linearity; Distortion product; Phase; Masking (McAnally, K.I. (91) 110)

Confocal microscopy
Noise damage; Hyaline cell; Regeneration; Actin; Hair cell; Cochlea (Cotanche, D.A. (91) 148)

Contralateral noise
Stimulus frequency otoacoustic emission; Efferent; Human (Souter, M. (91) 167)

Contra sound
Masking; Efferent; Cochlear; Human (Kawase, T. (91) 1)

Development
Outer hair cell; Membrane specialisation; Gerbil (Souter, M. (91) 43)

Hearing; Human; Infant; Masking (Nozza, R.J. (91) 72)

Distortion product
Auditory nerve; Auditory non-linearity; Phase; Masking; Compound action potential (McAnally, K.I. (91) 110)

Echolocation
Cochlear frequency map; Hair cell (Vater, M. (91) 178)

Efferent
Contra sound; Masking; Cochlear; Human (Kawase, T. (91) 1)

Stimulus frequency otoacoustic emission; Contralateral noise; Human (Souter, M. (91) 167)

Endocochlear potential
Potassium; Compound action potential; Noise exposure; Adrenalectomy (Ma, Y.L. (91) 79)

Excitotoxicity
Ototoxicity; Trimethyltin; Intracellular calcium; Spiral ganglion cell; Calcium channel (Fechter, L.D. (91) 101)

Fish
Hair cell; Lateral line; Canal neuromast; Superficial neuromast; Gentamicin (Song, J. (91) 63)

Gentamicin
Hair cell; Lateral line; Canal neuromast; Superficial neuromast; Fish (Song, J. (91) 63)

Gerbil
Outer hair cell; Development; Membrane specialisation (Souter, M. (91) 43)

Glycine receptor
Cochlear nucleus; Superior olivary complex; Hybridization, in situ; Rat (Sato, K. (91) 7)

Guinea pig
Spiral ganglion cell; Patch-clamp technique; Calcium channel; Calcium antagonist (Hisashi, K. (91) 196)

Hair cell
Amphibian; Inner ear; Stereocilia bundle; Ultrastructure; *Xenopus laevis* (Díaz, M.E. (91) 33)

Lateral line; Canal neuromast; Superficial neuromast; Fish; Gentamicin (Song, J. (91) 63)

Noise damage; Hyaline cell; Regeneration; Actin; Cochlea; Confocal microscopy (Cotanche, D.A. (91) 148)

Cochlear frequency map; Echolocation (Vater, M. (91) 178)

Hearing
Human; Infant; Development; Masking (Nozza, R.J. (91) 72)

Cochlea; Otoacoustic emission; Model; Cable equation (Xue, S. (91) 93)

Human
Contra sound; Masking; Efferent; Cochlear (Kawase, T. (91) 1)

Hearing; Infant; Development; Masking (Nozza, R.J. (91) 72)

Stimulus frequency otoacoustic emission; Contralateral noise; Efferent (Souter, M. (91) 167)

Hyaline cell
Noise damage; Regeneration; Actin; Hair cell; Cochlea; Confocal microscopy (Cotanche, D.A. (91) 148)

Hybridization, in situ
Glycine receptor; Cochlear nucleus; Superior olivary complex; Rat (Sato, K. (91) 7)

Infant
Hearing; Human; Development; Masking (Nozza, R.J. (91) 72)

Inhibition
Cochlear nucleus; γ-Aminobutyric acid; Iontophoresis; Temporal discharge pattern; Rat (Ebert, U. (91) 160)

Inner ear
Amphibian; Hair cell; Stereocilia bundle; Ultrastructure; *Xenopus laevis* (Díaz, M.E. (91) 33)

Cochlea; Longitudinal gradient; Actin; Tubulin; Calcium-binding protein (Pack, A.K. (91) 119)

Cochlea; Tubulin; Tubulin, tyrosinated; Tubulin, acetylated; Tubulin, detyrosinated; Tubulin, polyglutamated (Slepecky, N.B. (91) 136)

Intracellular calcium
Ototoxicity; Trimethyltin; Excitotoxicity; Spiral ganglion cell; Calcium channel (Fechter, L.D. (91) 101)

Iontophoresis
Cochlear nucleus; γ-Aminobutyric acid; Inhibition; Temporal discharge pattern; Rat (Ebert, U. (91) 160)

Lateral line
Hair cell; Canal neuromast; Superficial neuromast; Fish; Gentamicin (Song, J. (91) 63)

Lizard
Otoacoustic emission; Tectorial membrane; Auditory filter; Bird (Taschenberger, G. (91) 87)

Longitudinal gradient
Inner ear; Cochlea; Actin; Tubulin; Calcium-binding protein (Pack, A.K. (91) 119)

Masking
Contra sound; Efferent; Cochlear; Human (Kawase, T. (91) 1)

Hearing; Human; Infant; Development (Nozza, R.J. (91) 72)

Auditory nerve; Auditory non-linearity; Distortion product; Phase; Compound action potential (McAnally, K.I. (91) 110)

Membrane specialisation
Outer hair cell; Development; Gerbil (Souter, M. (91) 43)

Micro-dissection
Presbycusis; Ageing; Cochlea; Neuronal degeneration; Block surface (Felder, E. (91) 19)

Model
Cochlea; Otoacoustic emission; Hearing; Cable equation (Xue, S. (91) 93)

Myelin sheath
Axons; Cochlear nerve; Auditory pathways; Oligodendroglia (Moore, J.K. (91) 208)

Neuronal degeneration
Presbycusis; Ageing; Cochlea; Block surface; Micro-dissection (Felder, E. (91) 19)

Noise damage
Hyaline cell; Regeneration; Actin; Hair cell; Cochlea; Confocal microscopy (Cotanche, D.A. (91) 148)

Noise exposure
Endocochlear potential; Potassium; Compound action potential; Adrenalectomy (Ma, Y.L. (91) 79)

Oligodendroglia
Axons; Cochlear nerve; Auditory pathways; Myelin sheath (Moore, J.K. (91) 208)

Otoacoustic emission
Tectorial membrane; Auditory filter; Bird; Lizard (Taschenberger, G. (91) 87)

Cochlea; Model; Hearing; Cable equation (Xue, S. (91) 93)

Otoacoustic emission, click evoked
Body temperature; Cochlear micromechanical activity (Ferber-Viart, C. (91) 202)

Ototoxicity
Trimethyltin; Intracellular calcium; Excitotoxicity; Spiral ganglion cell; Calcium channel (Fechter, L.D. (91) 101)

Outer hair cell
Development; Membrane specialisation; Gerbil (Souter, M. (91) 43)

Patch-clamp technique
Spiral ganglion cell; Guinea pig; Calcium channel; Calcium antagonist (Hisashi, K. (91) 196)

Phase
Auditory nerve; Auditory non-linearity; Distortion product; Masking; Compound action potential (McAnally, K.I. (91) 110)

Potassium
Endocochlear potential; Compound action potential; Noise exposure; Adrenalectomy (Ma, Y.L. (91) 79)

Presbycusis
Ageing; Cochlea; Neuronal degeneration; Block surface; Micro-dissection (Felder, E. (91) 19)

Rat
Glycine receptor; Cochlear nucleus; Superior olivary complex; Hybridization, in situ (Sato, K. (91) 7)

Cochlear nucleus; γ-Aminobutyric acid; Inhibition; Iontophoresis; Temporal discharge pattern (Ebert, U. (91) 160)

Regeneration
Noise damage; Hyaline cell; Actin; Hair cell; Cochlea; Confocal microscopy (Cotanche, D.A. (91) 148)

Spiral ganglion cell
Ototoxicity; Trimethyltin; Intracellular calcium; Excitotoxicity; Calcium channel (Fechter, L.D. (91) 101)

Guinea pig; Patch-clamp technique; Calcium channel; Calcium antagonist (Hisashi, K. (91) 196)

Stereocilia bundle
Amphibian; Hair cell; Inner ear; Ultrastructure; *Xenopus laevis* (Díaz, M.E. (91) 33)

Stimulus frequency otoacoustic emission
Contralateral noise; Efferent; Human (Souter, M. (91) 167)

Superficial neuromast
Hair cell; Lateral line; Canal neuromast; Fish; Gentamicin (Song, J. (91) 63)

Superior olivary complex
Glycine receptor; Cochlear nucleus; Hybridization, in situ; Rat (Sato, K. (91) 7)

Tectorial membrane
Otoacoustic emission; Auditory filter; Bird; Lizard (Taschenberger, G. (91) 87)

Temporal discharge pattern
Cochlear nucleus; γ-Aminobutyric acid; Inhibition; Iontophoresis; Rat (Ebert, U. (91) 160)

Trimethyltin
Ototoxicity; Intracellular calcium; Excitotoxicity; Spiral ganglion cell; Calcium channel (Fechter, L.D. (91) 101)

Tubulin
Inner ear; Cochlea; Longitudinal gradient; Actin; Calcium-binding protein (Pack, A.K. (91) 119)

Inner ear; Cochlea; Tubulin, tyrosinated; Tubulin, acetylated; Tubulin, detyrosinated; Tubulin, polyglutamated (Slepecky, N.B. (91) 136)

Tubulin, acetylated
Inner ear; Cochlea; Tubulin; Tubulin, tyrosinated; Tubulin, detyrosinated; Tubulin, polyglutamated (Slepecky, N.B. (91) 136)

Tubulin, detyrosinated
Inner ear; Cochlea; Tubulin; Tubulin, tyrosinated; Tubulin, acetylated; Tubulin, polyglutamated (Slepecky, N.B. (91) 136)

Tubulin, polyglutamated
Inner ear; Cochlea; Tubulin; Tubulin, tyrosinated; Tubulin, acetylated; Tubulin, detyrosinated (Slepecky, N.B. (91) 136)

Tubulin, tyrosinated
Inner ear; Cochlea; Tubulin; Tubulin, acetylated; Tubulin, detyrosinated; Tubulin, polyglutamated (Slepecky, N.B. (91) 136)

Ultrastructure
Amphibian; Hair cell; Inner ear; Stereocilia bundle; *Xenopus laevis* (Díaz, M.E. (91) 33)

Xenopus laevis
Amphibian; Hair cell; Inner ear; Stereocilia bundle; Ultrastructure (Díaz, M.E. (91) 33)